

# New Car Safety Features

*Valuable Information  
to Help You Buy a Safer Car*

*Important car-buying information  
brought to you by:*



**National Highway Traffic  
Safety Administration**



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1999

## Safety Features for the Next Generation

Along with technological advances in vehicle performance, comfort, and amenities have come advances in safety technology. Consumers can now purchase vehicles that have:

- Seat belt systems with improved performance and comfort
- Side air bags and redesigned front air bags
- Interior head protection to reduce head injuries
- Head restraints to help reduce neck injuries in rear impact crashes
- Anti-lock brake systems to prevent a vehicle's wheels from locking during "panic" braking
- Traction control to improve vehicle stability and steering control
- All-wheel drive to distribute power between the front and rear wheels
- Automatic-dimming rearview mirrors that reduce headlight glare
- Daytime running lights that increase vehicle visibility to other drivers

## Get the Most Value for Your Dollar

Driving a vehicle with enhanced safety features may not only save the life of someone you know and reduce injuries in the event of a crash, it may also save you money. In some states, certain safety features on a vehicle, such as air bags and anti-lock brakes, reduce the cost of insurance. Safety features may also boost your vehicle's resale value because consumers are increasingly recognizing the importance of vehicle safety. Whether you are concerned about safety or saving money, knowing about the latest in safety technology enables you to compare all new vehicle features so that you get the most value for your dollar.

## Be Smarter About Your Car

Use this brochure to learn about:

- Some of the common safety features available on new vehicles
- Ways to compare standard and optional safety features on similar vehicles
- How to perform a safety check

**The safety features chart in back lists safety features available on 1999 vehicles, according to size and type.**

## New Car Safety Features

The following descriptions provide basic information on each feature and how it works. This information will help you understand sales literature and prepare you to ask questions of the dealer. Be aware that some manufacturers may use other design features that perform the same function as those described.

### Seat Belts

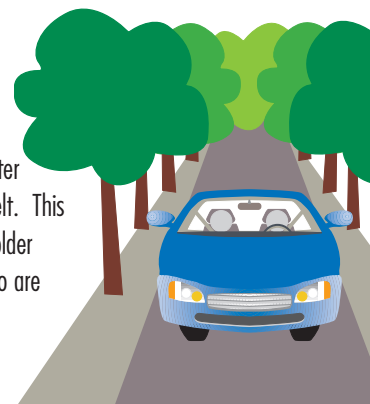
In the event of a crash, seat belts are designed to keep you inside the vehicle. They also reduce the risk that you will collide with the steering wheel, dashboard, or windshield. New seat belt designs have additional features that improve seat belt performance.

**Adjustable upper belts.** An adjustable upper belt lets you change the height of the shoulder strap to accommodate a person's size. This feature may encourage passengers to wear their belts, since it increases shoulder belt comfort.

**Seat belt pretensioner.** Pretensioners retract the seat belt to remove excess slack, almost instantly, in a crash. However, you still need to adjust your seat belt as snugly as possible, since pretensioners are not powerful enough to pull you back into your seat. Like air bags, pretensioners are usually "one use" devices and need to be replaced after a crash.

**Energy management features.** Energy management features allow seat belts to "give" or yield to prevent forces on the shoulder belt (during a severe crash) from concentrating too much energy on your chest. These features include "load limiters" built into the shoulder belt retractor and/or "tear stitching" in the webbing that causes the seat belt to extend gradually.

**Rear center seat lap/shoulder belts.** Although manufacturers are only required to have lap belts in the rear center position, some provide a lap/shoulder belt. This added feature is especially beneficial to older children and children in booster seats who are often seated in the rear center position.



## *Air Bags*

Depending on the speed at impact and the stiffness of the object struck, front air bags inflate to prevent occupants from hitting the dashboard, steering wheel, and windshield. Side air bags reduce the risk that occupants will hit the door or objects that crash through it. Driver and front passenger air bags are standard equipment in all 1999 model year vehicles.

**Redesigned air bags.** In March 1997, the National Highway Traffic Safety Administration (NHTSA) enhanced automakers' ability to reduce the power of their air bags by 20 to 35 percent. Many automakers are now including redesigned air bags in 1999 vehicles. So ask your local dealer for information about changes in air bag design and performance.

**On-off switches.** An on-off switch can deactivate driver or passenger air bags. Vehicles without rear seats, or with small rear seats, such as pickups and sports cars, may have a passenger-side, on-off switch as standard equipment. You can get authorization from NHTSA to have an on-off switch installed by a dealer or repair shop if you:

- Cannot avoid placing a rear-facing infant seat in the front seat
- Have been advised by a physician that you have a medical condition that places you at specific risk
- Cannot adjust your driver's position to keep your breastbone back approximately 10 inches from the center of the steering wheel
- Cannot avoid situations, such as a car pool, that require a child 12 or under to ride in the front seat

You can get a brochure about on-off switches and an installation request form from local vehicle dealerships, AAA offices, state motor vehicle offices, and NHTSA. Since on-off switches are not available for all vehicles, verify availability of a switch for your vehicle before you request authorization for its installation.

**Side air bags.** Side air bags provide additional chest protection by inflating instantly during many side crashes; some, also provide head protection. However, side air bags are not required by law. Most manufacturers use padding or improved door and body structures to meet federal side-impact requirements. Check with the dealer or read

the owner's manual for information and warnings about child passengers and side air bags.

## *Head Injury Protection*

Head injury protection consists of foam or other energy absorbing material under the trim of the vehicle interior and is likely to be invisible to vehicle occupants. Some vehicles have head air bags. Both types of protection are designed to shield occupants from injuries caused when their head strikes the upper interior of a vehicle.

By the year 2003, all vehicles must meet new Federal standards for head injury protection. Charts show which 1999 vehicles already meet them.

## *Head Restraints*

Head restraints are extensions of the vehicle's seats that limit head movement during a rear-impact crash, thus, reducing the probability of neck injury. While you must adjust most head restraints manually, some adjust automatically with changes in seat position or in a crash. You can move manually adjustable head restraints up and down (vertical adjustments) and, in some instances, forward and backward (horizontal adjustments). To be effective, the top of the head restraint should be between the top of your ears and the top of your head. Horizontal placement should be as close to your head as possible, without pushing it forward or causing the height of the head restraint to drop. Some vehicles have rear seat head restraints, as noted in the charts.

## *Anti-lock Brake Systems*

Anti-lock brake systems (ABS) prevent a vehicle's wheels from locking during "panic" braking and allow the driver to maintain steering control as the vehicle slows — a key factor in avoiding a collision. However, ABS do not guarantee your ability to avoid a crash, especially when having to stop suddenly. Furthermore, you still may lose control when driving at excessive speeds or when using extreme steering maneuvers.

All passenger cars equipped with ABS have four-wheel ABS. Sport utility vehicles, trucks, and vans equipped with ABS can have either four-wheel or two-wheel ABS. Four-wheel ABS monitor and control all the wheels of the vehicle, while two-wheel ABS only monitor and control the rear

wheels of a vehicle. The full benefits of ABS are not available to the driver with a two-wheel ABS. In vehicles with two-wheel ABS, the front wheels can still lock during hard or panic braking and this lockup can result in the loss of steering control.

### *Traction Control*

Traction control systems improve vehicle stability and steering control during acceleration by controlling the amount the drive wheels can slip when you apply excess power. The system automatically adjusts the engine power output and, in some systems, applies braking force to selected wheels during acceleration and cornering. Traction control is mainly found on vehicles with four-wheel, anti-lock brake systems.

### *All-Wheel Drive*

All-wheel drive distributes power more evenly to both front and rear wheels to maximize traction. Unless combined with traction control, all-wheel drive systems do not prevent the drive wheels from slipping when you apply excess power during acceleration.

### *Automatic-dimming Rearview Mirrors*

Conventional interior rearview mirrors have a manual day/night lever that drivers switch to reduce glare from rear-approaching vehicles. Automatic-dimming rearview mirrors automatically darken to reduce headlight glare. They dim gradually as the glare gets brighter.

### *Daytime Running Lights*

Daytime running lights increase the ability of oncoming drivers to see your vehicle. Since they may not include tail lights or other exterior lights, remember to turn your headlights on at dusk.

### *Frontal and Side Impact Protection*

Each year, NHTSA's New Car Assessment Program crash tests vehicles and provides ratings on how well each vehicle protects drivers and passengers during frontal and side collisions. For cars and light trucks, injury severity is measured based on a 35-mph frontal crash using all of the vehicle's occupant protection equipment for the test dummies. For side collisions, injury severity is measured based on impact at 38.5 mph. Although it is impossible to assess how well a vehicle provides protection

in all circumstances using a single test, these ratings provide a useful basis for comparison.

For the latest crash-test data, call the DOT Auto Safety Hotline: 888-DASH-2-DOT. You can also request a copy of *Buying a Safer Car, 1998*, which has the crash-test results for all 1998 vehicles. If you are on-line, crash-test data for 1999 vehicles will be available at DOT's web site at [www.nhtsa.dot.gov](http://www.nhtsa.dot.gov), once the tests are completed.

## **Compare Safety Packages**

With an average cost of about \$20,000, buying a new vehicle is an important financial decision. Check buying guides, available at newsstands, libraries, or on the Internet to learn more about standard and optional safety features. Once you know which features are standard, you can begin making cost comparisons for safety.

Find out about manufacturers' "clones," which are nearly identical vehicles marketed under different names. For example, you could come out ahead on safety buying the high-end model of a clone—with standard safety features—instead of the low-end model of the more heavily promoted vehicle with those features added as options.

In addition to crash test data, consider all of the features described in this brochure—seat belt features, air bags, head injury protection, head restraints, anti-lock brake systems, traction control, all-wheel drive, and automatic-dimming rearview mirrors. Other important safety equipment, which is often standard, includes right-side mirrors and rear window defrosters—and, don't forget built-in child safety seats.

## **Perform a Safety Check**

Try on the seat belt and take a test drive to ensure that you are comfortable while driving the vehicle. During your test drive, make sure head restraints, roof structures and windshield designs do not interfere with your ability to see clearly. If you have young children, install their child safety seats to check for compatibility.\*

\* The *Buying a Safer Car for Child Passengers* brochure provides important information to consider when purchasing a vehicle in which children ride. Call your local AAA office or the DOT Auto Safety Hotline to obtain a copy.

## Safety Features



## Vehicle Size & Type

Adjustable Upper Belts (front)	Adjustable Upper Belts (rear)	SEAT BELTS		Energy Management Features	Rear Center Lap/Shoulder Belts	Side Air Bags	Head Injury Protection	Rear Seat Head Restraints	ABS — 2-Wheel	ABS — 4-Wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Automatic Dimming Rearview Mirror
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### 1999 MINI PASSENGER CARS (1500-1999 lbs. curb weight)

Chevrolet Metro				S						A			S	
Suzuki Swift				S						A			S	

### 1999 LIGHT PASSENGER CARS (2000-2499 lbs. curb weight)

Chevrolet Prizm	S		S	S	S	A		S		A				S
Daewoo Lanos	S									A				
Ford Escort	S			S						A				
GM EV1				S						S	S		S	
Honda Civic	A			S						A				
Honda EV Plus				S						S				
Hyundai Accent	S			S						A				
Kia Sephia	S						S			A				
Mazda MX-5 Miata				S						A				
Mazda Protege	S			S	S		A			A				
Mercedes-Benz SLK			S	S		S				S	S			S
Mercury Tracer	S			S						A				
Mitsubishi Mirage	S			S						A				
Nissan Sentra	S							S		A				
Saturn	S			S						A	A		S	
Suzuki Esteem	S			S						A			S	
Toyota Corolla	S		S	S	S	A		S		A			S	
Toyota Paseo			S	S						A				
Toyota Tercel	A		S	S				S		A				

### 1999 COMPACT PASSENGER CARS (2500-2999 lbs. curb weight)

Acura CL series				S						S				
Acura Integra	A			S						S				
BMW 318ti	S		S	S		S		S		S	S			
BMW Z3 roadster/coupe	A		S	S		S				S	S			
Chevrolet Cavalier	S			S						S	A		S	

S = Standard equipment on all vehicles in that model line.

A = Available on some or all vehicles in that model line; may be standard equipment only on some versions or standard equipment to be introduced part way through the model year.

<sup>1</sup> Side air bag also provides some protection for the head even though the airbag is not used to meet Federal head injury protection requirements.

<sup>2</sup> Meets new Federal head injury protection requirements using a head air bag.



	Adjustable Upper Belts (front)	Adjustable Upper Belts (rear)	SEAT BELTS		Energy Management Features	Rear Center Lap/Shoulder Belts	Side Air Bags	Head Injury Protection	Rear Seat Head Restraints	ABS — 2-Wheel	ABS — 4-Wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Automatic Dimming Rearview Mirror
Chevrolet Malibu	S				S						S			S	
Chrysler Sebring Coupe	S				S						A				A
Daewoo Nubira	S		S								A				
Dodge Avenger	S				S						A				
Dodge Neon	S				A						A				
Ford Contour	S				S	S					A	A			
Ford Escort ZX2					S						A				
Honda Prelude					S						S				
Hyundai Elantra	S		S		S				A		A				
Hyundai Sonata	S		S		S	S	A	S	S		A	A			
Hyundai Tiburon	S				S						A				
Mazda 626	S				S	S					A	A			
Mercury Cougar	S				S		A <sup>1</sup>				A	A			
Mercury Mystique	S				S	S					A	A			
Mitsubishi Eclipse	S				S						A		A		
Mitsubishi Eclipse Spyder					S						A				
Mitsubishi Galant	S				S		A	A	A		A				
Nissan Altima	S							S	S		A				
Plymouth Neon	S				A						A				
Plymouth Prowler															
Pontiac Sunfire	S				S						S	A		S	
Porsche 911	A						S				S	S	A		
Porsche Boxster							S				S	S			
Subaru Impreza	S								A		A	S	S		
Subaru Legacy	S								A		A	S	S		
Toyota Celica											A				
Volkswagen Cabrio	S		S		A		S				S	A		S	
Volkswagen Golf	S		S		A	A	S		A		S			S	
Volkswagen GTI	S		S		A	A	S		A		S	A		S	A
Volkswagen Jetta	S		S		A	A	S	A	S		A	A		S	A
Volkswagen New Beetle	S		S		S		S		S		S	A		S	

NOTE: For rear-seat adjustable belts and center-rear lap/shoulder belts, the information refers only to the first row of rear seats if there are multiple rows. However, some manufacturers also offer head restraints on other rear seats.

NOTE: For rear seat head restraints, the information refers only to the outermost seats and to the first row of rear seats if there are multiple rows. However, some manufacturers also offer head restraints on other rear seats.

NOTE: For side air bags, the information refers only to the front seats. However, some manufacturers also offer side air bags for the rear seats.

## Safety Features



## Vehicle Size & Type



Adjustable Upper Belts (front)	Adjustable Upper Belts (rear)	SEAT BELTS		Energy Management Features	Rear Center Lap/Shoulder Belts	Side Air Bags	Head Injury Protection	Rear Seat Head Restraints	ABS — 2-Wheel	ABS — 4-Wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Automatic Dimming Rearview Mirror
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### 1999 MEDIUM PASSENGER CARS (3000-3499 lbs. curb weight)

Acura NSX series		S							S	A				
Acura 3.2 TL	S				S		S		S	S				S
Audi A4	S		S	S	A	S		S	S	S	A			
Audi A6	S		S	S	S	S		S	S	S	A			A
BMW 3-Series	S		S	S		S	A	S		S	S		A	A
BMW 3-Series Convertible			S	S		S		S		S	S			
BMW M roadster/coupe	A		S	S		S				S	S			
BMW M3	A		S	S		S		S		S	S			
Buick Century	S									S	S		S	A
Buick LeSabre	S									S	A		S	A
Chevrolet Camaro										S	A		S	
Chevrolet Corvette				S						S	S		S	
Chevrolet Lumina	S									A			S	
Chevrolet Monte Carlo	S									S			S	
Chrysler Cirrus	S			S						S				
Chrysler Concorde	S			S			A			A	A			A
Chrysler Sebring Convertible	S									S	A			A
Daewoo Leganza	S		S				S			S	A			
Dodge Intrepid	S			S			A			A	A			A
Dodge Stratus	S			S						A				
Dodge Viper														
Ferrari 456 MGT/MGTA										S	S			
Ferrari 550 Maranello										S	S			
Ferrari F131	S		S				S			S				
Ferrari F355 Berlinetta/GTS/Spider										S				
Ford Mustang				A						A	A			
Ford Taurus	S			S	A					A				A

S = Standard equipment on all vehicles in that model line.

A = Available on some or all vehicles in that model line; may be standard equipment only on some versions or standard equipment to be introduced part way through the model year.

<sup>1</sup> Side air bag also provides some protection for the head even though the airbag is not used to meet Federal head injury protection requirements.

<sup>2</sup> Meets new Federal head injury protection requirements using a head air bag.



	Adjustable Upper Belts (front)	Adjustable Upper Belts (rear)	SEAT BELTS													
			Pretensioners	Energy Management Features	Rear Center Lap/Shoulder Belts	Side Air Bags	Head Injury Protection	Rear Seat Head Restraints	ABS — 2-Wheel	ABS — 4-Wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Automatic Dimming Rearview Mirror		
Honda Accord	A			A	S		S			A						
Infiniti G20	S		S	S	S	S		S		S						
Infiniti I30	S		S		S	S		S		S	A					
Lexus ES 300	S		S	S	S	S	S	S		S	S		S	A		
Mazda Millenia	S			S				A		A	A					
Mercedes-Benz C-Class	S	S	S	S		S		S		S	S				S	
Mercedes-Benz CLK-Class	A	S	S	S		S		S		S	S				S	
Mercury Sable	S			S	A					A						A
Mitsubishi 3000GT				S						A		A				
Nissan Maxima	S		S		S	A		S		A	A					
Oldsmobile Alero	S			S			S			S	S		S			
Oldsmobile Cutlass	S			S						S			S			
Oldsmobile Intrigue	S									S	S		S			
Plymouth Breeze	S			S						A						
Pontiac Firebird										S	A		S			
Pontiac Grand Am	S			S			S			S	S		S			
Pontiac Grand Prix	S									S	S		S	A		
Saab 9-3	S		S		S	S <sup>1</sup>	A	S		S			S			
Saab 9-5	S	S	S	S	S	S <sup>1</sup>		S		S	A		S			
Subaru Forester	S			S				S		A	S	S				
Toyota Avalon	S		S	S	S	S				S	A		S			
Toyota Camry	S		S	S	S	A	S	S		A	A		A			
Toyota Camry Solara			S	S	S	A	S	S		S	A		S	A		
Volkswagen Passat	S		S	S	S	S		S		S	A	A	S	A		
Volvo C70			S	S		S		S		S	A		S			
Volvo S70/V70	S		S	S	S	S <sup>1</sup>		S		S	A	A	S			
Volvo S80	S		S	S	S	S	S <sup>2</sup>	S		S	S		S	S		

NOTE: For rear-seat adjustable belts and center-rear lap/shoulder belts, the information refers only to the first row of rear seats if there are multiple rows. However, some manufacturers also offer head restraints on other rear seats.

NOTE: For rear seat head restraints, the information refers only to the outermost seats and to the first row of rear seats if there are multiple rows. However, some manufacturers also offer head restraints on other rear seats.

NOTE: For side air bags, the information refers only to the front seats. However, some manufacturers also offer side air bags for the rear seats.



## Safety Features



## Vehicle Size & Type



Adjustable Upper Belts (front)	Adjustable Upper Belts (rear)	SEAT BELTS		Energy Management Features	Rear Center Lap/Shoulder Belts	Side Air Bags	Head Injury Protection	Rear Seat Head Restraints	ABS — 2-Wheel	ABS — 4-Wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Automatic Dimming Rearview Mirror
		Pretensioners												

### 1999 HEAVY PASSENGER CARS (3500 lbs. & over curb weight)

Acura 3.5 RL	S		S	S	S	S		S	S	S				S
Audi A8	S		S	S		S		S	S	S		A		
Bentley Arnage	S		S		S			S		S	S			S
Bentley Azure			S					S		S	S			S
Bentley Continental			S					S		S	S			S
BMW 5-Series	S		S	S	S	S	S	S		S	S		A	A
BMW 7-Series	S		S	S		S	S	S		S	S		A	S
Buick Park Avenue	S									S	A		S	A
Buick Regal	S									S	S		S	A
Buick Riviera				S						S	A		S	A
Cadillac Catera	S	S	S	S	S	A <sup>1</sup>		S		S	S		S	S
Cadillac Deville	S					S				S	S		S	S
Cadillac Eldorado										S	S		S	S
Cadillac Seville	S	S	S		S	S		S		S	S		S	S
Chrysler 300M	S			S			A	S		S	S			S
Chrysler LHS	S			S			A			S	S			S
Ford Crown Victoria	S									S	A			A
Infiniti Q45	S		S	S	S	S		S		S	S			
Jaguar XJ-Series	S		S	A	S	S				S	S			A
Jaguar XK8			S							S	S			A
Lexus GS300/400	S		S	S	S	S	S	S		S	S		S	S
Lexus LS400	S		S	S	S	S		S		S	S		S	S
Lexus SC300/400			S							S	A		S	A
Lincoln Continental	S				S	S <sup>1</sup>				S	S			S
Lincoln Town Car	S				S	S <sup>1</sup>				S	S			S
Mercedes-Benz CL-Class		S	S			S		S		S	S			S
Mercedes-Benz E-Class	S	S	S	S	S	S	A	S		S	S	A		S
Mercedes-Benz S-Class	S	S	S			S		S		S	S			S
Mercedes-Benz SL-Class	S		S			S				S	S			S

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	Adjustable Upper Belts (front)	Adjustable Upper Belts (rear)	SEAT BELTS		Energy Management Features	Rear Center Lap/Shoulder Belts	Side Air Bags	Head Injury Protection	Rear Seat Head Restraints	ABS — 2-Wheel	ABS — 4-Wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Automatic Dimming Rearview Mirror
Mercury Grand Marquis	S										S	A			A
Mitsubishi Diamante	S		S		S	S			S		S	A			
Oldsmobile Aurora					S						S	S		S	S
Oldsmobile Eighty-Eight	S										S	S		S	A
Pontiac Bonneville	S										S	A		S	A
Rolls-Royce Silver Seraph	S		S			S			S		S	S			S
Rolls-Royce Silver Spur Park Ward			S						S		S	A			S

## 1999 SPORT UTILITY VEHICLES

Acura SLX	S			S					S		S				
Cadillac Escalade	S	S							S		S		S	S	S
Chevrolet Blazer				S					S		S		A	S	A
Chevrolet Suburban	S	S							S		S		A	S	S
Chevrolet Tahoe	S	S							S		S		A	S	S
Chevrolet Tracker	S			S			S	S			A			S	
Dodge Durango	S	S							S	S	A		A		A
Ford Expedition	S	S							S		S		A		
Ford Explorer	S			S		A <sup>1</sup>		A			S		A		A
GMC Envoy/Jimmy				S					S		S		A	S	A
GMC Suburban	S	S							S		S		A	S	S
GMC Yukon Denali	S	S							S		S		A	S	S
Honda CR-V	S		S	S					S		A		A		
Honda Passport	S	S		S				S	S		S				
Infiniti QX4	S		A				A		S		S		S		
Isuzu Amigo	S			S					S		S				
Isuzu Rodeo	S	S		S				S	S		S				
Isuzu Trooper	S			S					S		S				
Isuzu Vehicross	S								S		S		S		
Jeep Cherokee	S										A		A		
Jeep Grand Cherokee	S	S		S				A	S		S		A		A
Jeep Wrangler	S										A		S		

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	Adjustable Upper Belts (front)	Adjustable Upper Belts (rear)	SEAT BELTS		Energy Management Features	Rear Center Lap/Shoulder Belts	Side Air Bags	Head Injury Protection	Rear Seat Head Restraints	ABS — 2-Wheel	ABS — 4-Wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Automatic Dimming Rearview Mirror
Kia Sportage	S										A		A		
Land Rover Discovery	S										S		S		S
Land Rover Discovery Series II	S		S	S	S			S	S		S	S	S		S
Land Rover Range Rover															
4.0, 4.0 S, & 4.6 HSE Callaway	S	S							S		S	S	S		S
Land Rover Range Rover															
4.0 SE & 4.6 HSE	S	S	S	S		S			S		S	S	S		S
Lexus LX470	S	S	S	S	S				S		S		S	S	S
Lexus RX300	S		S	S		S			S		S		A	S	A
Lincoln Navigator	S	S							S		S		A		
Mercedes-Benz ML-Class	S	S	S	S		S			S		S	S	S		S
Mercury Mountaineer	S			S		A <sup>1</sup>			A		S		A		A
Mitsubishi Montero	S			S					S		S		S		
Mitsubishi Montero Sport	S			S					S		A		A		
Nissan Pathfinder	S		A			A			S		S				
Oldsmobile Bravada				S					S		S		S	S	S
Suzuki Vitara	S			S				S	S		A			S	
Toyota 4-Runner	S		S	S					S		A		A		
Toyota Land Cruiser	S	S	S	S	S				S		S		S	S	
Toyota RAV-4	A		S	S					S		A		A		

## 1999 LIGHT TRUCKS

Chevrolet S-10			S							S		A	S		
Chevrolet Silverado								S		S		A	S	A	
Dodge Dakota	S			A						S	A		A		A
Dodge Ram	S									S	A		A		A
Ford F-150	S									S	A		A		
Ford F-250	S									S	A		A		
Ford Ranger	S			S						S	A		A		
GMC Sierra								S			S		A	S	A
GMC Sonoma				S							S			S	

S = Standard equipment on all vehicles in that model line.

A = Available on some or all vehicles in that model line; may be standard equipment only on some versions or standard equipment to be introduced part way through the model year.

<sup>1</sup> Side air bag also provides some protection for the head even though the airbag is not used to meet Federal head injury protection requirements.

<sup>2</sup> Meets new Federal head injury protection requirements using a head air bag.



	Adjustable Upper Belts (front)	Adjustable Upper Belts (rear)	SEAT BELTS		Energy Management Features	Rear Center Lap/Shoulder Belts	Side Air Bags	Head Injury Protection	Rear Seat Head Restraints	ABS — 2-Wheel	ABS — 4-Wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Automatic Dimming Rearview Mirror
Isuzu Hombre					S					S					
Mazda B-series	S				S					S	A		A		
Nissan Frontier	S				S				S	S	A				
Toyota Tacoma	S		S		S				S		A		A	A	
Toyota Tundra	S		S		S				S		A		A		

## 1999 VANS

Chevrolet Astro	S				S					S			A	S	A
Chevrolet Express	S									S				S	
Chevrolet Venture	S		S				S		S	S	A			S	
Chrysler Town & Country SX	S	S			S				S		S	A			
Chrysler Town & Country LX	S	S			S				S		S	A	A		A
Dodge Caravan	S	S			S				S		A	A			
Dodge Grand Caravan	S	S			S				S		A	A	A		A
Dodge Ram Van/Wagon	S				S					S	A				
Ford Econoline Wagon	S		S						A		S				
Ford Econoline	S		S							S	A				
Ford Windstar	S	S			S		A <sup>1</sup>	S	S		S	A			A
GMC Safari	S				S					S			A	S	A
GMC Savana	S									S				S	
Honda Odyssey	S	S	S		S	S		S	S		S	A			
Isuzu Oasis	S				S				S		S				
Mercury Villager	S							S	S		A				
Nissan Quest	S							S	S		S				
Oldsmobile Silhouette	S		S				S		S		S	A		S	
Plymouth Grand Voyager	S	S			S				S		A				
Plymouth Voyager	S	S			S				S		A				
Pontiac Montana	S		S				S		S		S	A		S	
Toyota Sienna	S		S		S				S		S			S	
Volkswagen EuroVan	S		S		S						S	S		S	

NOTE: For rear-seat adjustable belts and center-rear lap/shoulder belts, the information refers only to the first row of rear seats if there are multiple rows. However, some manufacturers also offer head restraints on other rear seats.

NOTE: For rear seat head restraints, the information refers only to the outermost seats and to the first row of rear seats if there are multiple rows. However, some manufacturers also offer head restraints on other rear seats.

NOTE: For side air bags, the information refers only to the front seats. However, some manufacturers also offer side air bags for the rear seats.